ĐÁP ÁN BÀI TẬP BUỔI 5 – CẤU TRÚC ĐIỀU KIỆN IF

1.

#include<iostream>

using namespace std;

int main()

{

// cau a

int a, b, c;

cout << "Nhap a, b, c: ";

cin >> a >> b >> c;

//cau b

if (a >= b)

cout << "a lon hon hoac bang b" << endl;

// cau c

if (b < c)

cout << "b be hon c" << endl;

else

cout << "b khong be hon c" << endl;

// cau d

if (a > c)

cout << "a lon hon c" << endl;

else if (a == c)

cout << "a bang c" << endl;

else

cout << "a be hon c" << endl;

// cau e

if (a > 5 || b > c)

cout << "thoa man dieu kien e" << endl;

else

cout << "khong thoa dieu kien e" << endl;

// cau f

if (a > b && b > c && c > 5)

cout << "thoa man dieu kien f";

}

2.

#include<iostream>

#include<cmath>

using namespace std;

int main()

{

float a, b, c;

cout << "Nhap a, b, c: ";

cin >> a >> b >> c;

if (a == 0)

cout << "khong phai phuong trinh bac hai";

else

{

float delta = b \* b - 4 \* a \* c;

if (delta > 0)

{

float x1, x2;

x1 = (-b + sqrt(delta)) / (2 \* a);

x2 = (-b - sqrt(delta)) / (2 \* a);

cout << "phuong trinh co 2 nghiem phan biet: x1 = " << x1 << ", x2 = " << x2;

}

else if (delta == 0)

{

float x = -b / (2 \* a);

cout << "phuong trinh co nghiem kep x1 = x2 = " << x;

}

else

cout << "phuong trinh vo nghiem";

}

}

3.

Cách 1:

#include<iostream>

using namespace std;

int main()

{

int a, b;

cout << "Nhap a, b: ";

cin >> a >> b;

if (a == 0 || b == 0)

cout << "a, b phai khac 0" << endl;

else

{

if (a % b == 0)

cout << "a chia het cho b" << endl;

else

cout << "a khong chia het cho b" << endl;

if ((a > 0 && b > 0) || (a < 0 && b < 0))

cout << "a va b cung dau" << endl;

else

cout << "a va b khac dau" << endl;

}

}

Cách 2:

#include<iostream>

using namespace std;

int main()

{

int a, b;

cout << "Nhap a, b: ";

cin >> a >> b;

if (a == 0 || b == 0)

cout << "a, b phai khac 0" << endl;

else

{

int remainder = a % b;

if (remainder == 0)

cout << "a chia het cho b" << endl;

else

cout << "a khong chia het cho b" << endl;

float n = (float)a / b; // chia kieu thuc moi kt dc dau

if (n > 0)

cout << "a va b cung dau" << endl;

else

cout << "a va b khac dau" << endl;

}

}